

AMENDMENTS TO THE CLAIMS

Please amend the claims as follows. This listing of the claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A recording apparatus for forming an image on a recording medium, comprising:

a recording unit~~means~~ for performing recording by applying a recording material onto the recording medium, the recording unit~~means~~ recording the image and at least one of a positional information image representing positional information corresponding to the position where the positional information image is recorded, where the recording unit arbitrarily records the positional information image and the image; and

a control unit~~means~~ for controlling the recording such that the recording unit~~means~~ records the positional information image with a recording material capable of being detected by a predetermined detector; and records the image with another recording material incapable of being detected by the detector,

~~wherein the positional information image can arbitrarily be recorded on the recording medium~~

2. (previously presented)A recording apparatus according to Claim 1, wherein the recording material used for recording the positional information image contains carbon, and the recording material used for recording the image is carbon-free.

3. (previously presented) A recording apparatus according to Claim 1, wherein

the recording material used for recording the positional information image comprises one of a pigment ink containing carbon and a dye ink containing carbon, and the recording material used for recording the image comprises one of a carbon-free pigment ink and a carbon-free dye ink.

4. (previously presented) A recording apparatus according to Claim 1, wherein the recording material for the positional information image is black, and the recording material for the image is a plurality of recording materials capable of recording a color image.

5. (original) A recording apparatus according to Claim 4, wherein the plurality of recording materials correspond to a plurality of colors including yellow, magenta, and cyan.

6. (original) A recording apparatus according to Claim 4, wherein the plurality of recording materials have a plurality of colors including yellow, magenta, cyan, and black.

7. (original) A recording apparatus according to Claim 1, wherein the positional information image is expressed by a combination pattern of a plurality of spots to represent the positional information.

8. (original) A recording apparatus according to Claim 1, wherein the positional information is associated with coordinates on the recording medium.

9. (original) A recording apparatus according to Claim 1, wherein the positional information is associated with coordinates on a virtual plane beyond the area of the recording medium.

10. (currently amended) A method for recording an image with a recording apparatus that applies a recording material onto a recording medium, the method comprising:

recording, on the recording medium, the image and at least one of a positional information image corresponding to positional information representing at least positions on the recording medium, where the positional information image is arbitrarily recorded on the recording medium and the image; and

controlling the recording such that the positional information image is recorded with a recording material capable of being detected by a predetermined detector, and the image is recorded with another recording material incapable of being detected by the detector,^z

wherein the positional information image can arbitrarily be recorded on the recording medium.

11. (currently amended) A recording medium including:
a pattern image designating positions at least thereon, the pattern image being recorded by applying a first recording material capable of being detected by a predetermined detector, where the pattern image is arbitrarily recorded; and
an image, different from the pattern image, recorded by applying a second recording material incapable of being detected by the detector,^z
wherein the pattern image can arbitrarily be recorded on the recording medium.

12. (currently amended) A recording system comprising:
a recording apparatus for performing recording by applying a recording material onto a recording medium according to image data, the recording apparatus recording

positional information representing positions on at least the recording medium and the image_data, the recording apparatus including a control unitmeans for controlling recording such that the positional information is recorded with a recording material capable of being detected by a predetermined detector, and the image data is recorded with a recording material incapable of being detected by the detector; and

a transmitting apparatus for transmitting the image data to the recording apparatus, the transmitting apparatus including an image data preparation unitmeans and an image data transmission unitmeans,

wherein the positional information image ~~isean~~ arbitrarily be-recorded on the recording medium.

13. (currently amended) Computer-executable process steps, stored on a computer-readable storage medium, A program for controlling a recording apparatus for recording an image by applying a recording material onto a recording medium, the computer-executable process steps program performing:

recording, on the recording medium, the image and a positional information image corresponding to positional information representing positions on at least the recording medium, where the positional information image is arbitrarily recorded on the recording medium and the image;

controlling the recording such that the positional information image is recorded with a recording material capable of being detected by a predetermined detector, and the image is recorded with another recording material incapable of being detected by the detector,

wherein the positional information image ~~isean~~ arbitrarily be-recorded on the recording medium.